

**AMENDMENTS TO THE SPECIFICATION:**

**Page 1, between lines 1 and 2 (after the title), insert the following heading and subheading:**

BACKGROUND

1. Technical Field.

**Page 1, between lines 14 and 15, insert the following subheading:**

2. Related Art.

**Page 3, line 15, insert the following heading:**

BRIEF SUMMARY.

**Page 7, between lines 27 and 28, insert the following heading:**

BRIEF DESCRIPTION OF THE DRAWINGS.

**Please amend the paragraph beginning at page 8, line 7, as follows:**

DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS

In Figure 1, an IPv4 domain 10 separates a first IPv6 domain 12, constituting ~~in accordance with the present invention~~ a first network operating in accordance with a first transmission protocol and having network addresses in accordance with a first addressing convention, from a second IPv6 domain 14, constituting ~~in accordance with the present invention~~ a third network also operating in accordance with the first transmission protocol and having network addresses in accordance with the first addressing convention. Hosts in the IPv4 domain 10 are IPv4 only, and hosts in the IPv6 domains 12 and 14 are IPv6 only.

**Please amend the paragraph beginning at page 8, line 15, as follows:**

The IPv4 domain 10 constitutes ~~in accordance with the present invention~~ a second network operating in accordance with a second transmission protocol and having network

addresses in accordance with a second addressing convention. For simplifying the drawings, no IPv4 hosts are shown, and in each of the IPv6 domains 12 and 14 only one IPv6 host (28 and 30, respectively, as referred to later) is shown.

**Please amend the paragraph beginning at page 11, line 29, as follows:**

Additionally, the controller 64A is arranged to retrieve the IPv4 address of the tunnel terminating endpoint from the first additional record 50, to create a mapping of the IPv6 address of the destination host 30 to the address of the IPv4 tunnel terminating endpoint, and to store this mapping, i.e. create an entry, in an IPv6/tunnel endpoint table 76A formed by part of an internal memory 68A of the controller 64A and constituting a look-up table ~~of the present invention.~~

**Page 18, line 1, delete the heading "CLAIMS" and insert the following heading:**

**WHAT IS CLAIMED IS:.**